



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

March 22, 2017

Nikki Yepez
Registrations Specialists
Canyon Group LLC
370 S. Main St.,
Yuma, AZ 85364

Subject: Notification per PRN 98-10 – Changing primary brand name and fixing typos
Product Name: Sedgehammer+
EPA Registration Number: 81880-24
Application Date: February 2, 2017
Decision Number: 525866

Dear Ms. Yepez:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records. Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you have any questions, you may contact Shanta Adeeb at 713-347-0502 or via email at adeeb.shanta@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Shanta Adeeb" with a small flourish underneath.

Reuben Baris, Product Manager 25
Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

NOTIFICATION

81880-24

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

03/22/2017

GROUP	B	2	HERBICIDE
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SEDGEHAMMER®+

SEDGEHAMMER+ is a selective herbicide for the control of nutsedge and other weeds in turfgrass, ornamentals, landscaped areas and other specified non-crop areas.

% BY WT.

ACTIVE INGREDIENT:

Halosulfuron-methyl, methyl 3-chloro-5-(4,6-dimethoxypyrimidin-2-ylcarbamoylsulfamoyl)

-1-methylpyrazole-4-carboxylate..... 5.0%

OTHER INGREDIENTS: 95.0%

Total: 100.0%

KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se las explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
IF IN EYES	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center, doctor, or going for treatment. For Medical emergencies involving this product, call toll free 1-888-478-0798.	

PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls Statement: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations:

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to non-target vascular plants. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

Halosulfuron-methyl is known to leach through soil into ground water under certain conditions as a result of label use. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

NET CONTENTS ___ OUNCES

EPA Reg. No. 81880-24
EPA Est. No.

Produced For:
Canyon Group, LLC
c/o Gowan Company
PO Box 5569
Yuma, AZ 85366-5569

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water are:

- Coveralls,
- Shoes plus socks, and
- Chemical-resistant gloves made out of any waterproof material.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

- Keep people off treated areas until spray solution has dried.

PRODUCT INFORMATION

SEDGEHAMMER+ is a selective herbicide for postemergence control of sedges such as purple and yellow nutsedge, *Kyllinga* species and certain broadleaf weeds (see weeds controlled chart). SEDGEHAMMER+ can be applied to commercial and residential turfgrass and on other non-crop sites including: airports, campgrounds, cemeteries, established woody ornamentals in landscape areas, fairgrounds, fallow areas, fuel storage areas, golf courses, landscaped areas, lumberyards, public recreation areas, race tracks, residential property, rights-of-ways, roadsides, school grounds, sports fields, tank farms and tennis courts.

WEED RESISTANCE STATEMENT

Weeds can develop resistance to herbicides. Some weed biotypes have inherent resistance to certain herbicides. Also, repeated use of herbicides with similar modes of action can result in the development of resistance in weed populations. SEDGEHAMMER+, a member of the sulfonylurea family, is an ALS enzyme inhibiting herbicide. To minimize the potential for resistance development and/or to control resistant weed biotypes, use a variety of cultural, mechanical, and chemical weed control tactics. Rotate with herbicides having other modes of action (e.g. non-ALS/AHAS materials). Contact your professional crop advisor, local cooperative extension specialist, or Canyon Group, LLC representative for additional information.

APPLICATION EQUIPMENT AND INSTRUCTIONS

Calibrate application equipment prior to application of this product. Application should be uniform and of sufficient volume to avoid streaking or skips. SEDGEHAMMER+ often works with 1 application, but depending on the size and age of the nutsedge a second treatment may be required 6 - 10 weeks after the initial treatment.

Herbicide symptoms are likely to show within 2 weeks as a necrotic ring at the base of the plant, even though the leaves and stems remain green and a deep leathery green in color. **Note:** This product already contains a non-ionic surfactant. No additional mixtures are necessary.

USE PRECAUTIONS

- For optimum results, do not mow turf for 2 days before or 2 days after application.
- Avoid applications when rainfall is forecasted to occur within 4 hours.
- This product may be used on established seeded, sodded, or sprigged turfgrass. Allow the turf to develop a good root system and uniform stand before application.
- Treated areas may be overseeded with annual or perennial ryegrass or bermudagrass, 2 weeks after application.
- Avoid application of SEDGEHAMMER+ when turfgrass or nutsedge is under stress since turf injury and poor nutsedge control may result.
- Avoid excessive overlap of the spray.
- Annual and perennial herbaceous ornamentals, including color plants, may be injured when transplanted into landscaped areas treated with SEDGEHAMMER+.

USE RESTRICTIONS

- Do not store SEDGEHAMMER+ in solution. Once the product is mixed with water apply immediately.
- Do not apply as an over the top spray to desirable flowers, ornamentals, vegetables, shrubs or trees.
- Do not apply this product to golf course putting greens.
- Do not apply this product through any type of irrigation system.
- Do not apply this product by air

WEEDS CONTROLLED BY SEDGEHAMMER+

C = Control, S = Suppression, NA = No Activity

WEED SPECIES	POSTEMERGENT ACTIVITY	WEED SPECIES	POSTEMERGENT ACTIVITY
Burcucumber <i>Sicyos angulatus</i>	S	Morningglory, tall & Ivyleaf <i>Ipomoea spp.</i>	S
Cocklebur, common <i>Xanthium strumarium</i>	C	Mustard, wild <i>Sinapis arevensis</i>	C
Corn Spurry <i>Spergula arvensis</i>	C	Nutsedge, Yellow <i>Cyperus esculentus</i>	C
Flatsedge, rice <i>Cyperus iria</i>	C	Nutsedge, Purple <i>Cyperus rotundus</i>	C
Fleabane, Philadelphia <i>Erigeron philadelphicus</i>	C	Pigweed, redroot <i>Amaranthus retroflexus</i>	C
Galinsoga <i>Galinsoga</i>	C	Pigweed, smooth <i>Amaranthus hybridus</i>	C
Groundsel, common <i>Senecio vulgaris</i>	NA	Pokeweed, common <i>Phytolacca Americana</i>	C
Jimsonweed <i>Datura stramonium</i>	NA	Purslane <i>Portulaca oleracea</i>	NA
Kyllinga, Annual <i>Kyllinga sesquiflorus</i>	C	Radish, wild <i>Raphanus raphanistrum</i>	C
Kyllinga, Green <i>Kyllinga breviflora</i>	C	Ragweed, common <i>Ambrosia artemisiifolia</i>	C
Kochia <i>Kochia scoparia</i>	S	Ragweed, giant <i>Ambrosia trifida</i>	C
Ladysthumb <i>Polygonum persicaria</i>	C	Shepherds purse <i>Capsella bursa-pastoris</i>	S
Lambsquarter, common <i>Chenopodium album</i>	NA	Smartweed, Pennsylvania <i>Polyfonum pennsylvanicum</i>	C
Mallow, Venice <i>Hibiscus trionum</i>	C	Sunflower, common <i>Helianthus annuus</i>	C
Milkweed, common <i>Asclepias syriaca</i>	S	Velvetleaf <i>Abutilan theophrasti</i>	C
Milkweed, honeyvine <i>Ampelamus albidus</i>	S		

**SEDGEHAMMER+
RATES AND APPLICATION INSTRUCTIONS**

CROP	RATE OZ/ 1000 SQ FTA	DIRECTIONS FOR USE
TURFGRASS (INCLUDING COMMERCIAL AND RESIDENTIAL TURFGRASS, GOLF COURSES, ESTABLISHED LAWNS, AND ORNAMENTAL TURFGRASS)	0.5 OZ (13.5 grams) or 1 pouch Mix in 1 gallon of water	Apply SEDGEHAMMER+ for postemergence control of purple or yellow nutsedge, Kyllinga ¹ and broadleaf weeds. Mix 0.5 oz (13.5 grams) of this product (1 pouch) in 1 gallon of water to treat 1000 sq ft of turfgrass. Mix or shake the solution to ensure ingredients are completely dispersed. Spray the target weeds thoroughly and wet the entire leaf surface of the undesirable plants. For best results, spray nutsedge after it has reached the 3 - 8 leaf stage of growth. ¹ For Optimum Kyllinga control 2 applications are recommended.
	1 OZ (27 grams) or 2 pouches Mix in 1 gallon of water	For postemergence control of horsetail apply 1 oz (27 grams) of this product (2 pouches) in 1 gallon of water to treat 1000 sq ft after horsetail has leafed out. Note: This rate of product will control horsetail that is less than 6 inches tall and suppress horsetail that is greater than 6 inches tall.

CROP	RATE OZ/ 1000 SQ FTA	DIRECTIONS FOR USE																				
TURFGRASS (INCLUDING COMMERCIAL AND RESIDENTIAL TURFGRASS, GOLF COURSES, ESTABLISHED LAWNS, AND ORNAMENTAL TURFGRASS) (continued)	Apply SEDGEHAMMER+ as directed under the conditions described to the following established turfgrasses that are tolerant to this product:																					
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: center;">Cool-Season Grasses</th> </tr> </thead> <tbody> <tr> <td style="width: 33%;">Bentgrass, creeping <i>Agrostis stolonifera</i></td> <td style="width: 33%;">Fescue, Fine <i>Festuca arundinacea</i></td> <td style="width: 33%;">Ryegrass, Perennial <i>Lolium perenne</i></td> </tr> <tr> <td>Bluegrass, Kentucky <i>Poa pratensis</i></td> <td>Fescue, tall <i>Festuca arundinacea</i></td> <td></td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: center;">Warm-Season Grasses</th> </tr> </thead> <tbody> <tr> <td style="width: 33%;">Bahia grass <i>Paspalum notatum</i></td> <td style="width: 33%;">Centipedegrass <i>Eremochioa ophiuroides</i></td> <td style="width: 33%;">Kikuyugrass <i>Pennisetum clandestinum</i></td> </tr> <tr> <td>Bermudagrass <i>Cynodon dactylon</i></td> <td>Seashore paspalum <i>Paspalum Vaginatum</i></td> <td>Zoysiagrass <i>Zoysia Japonica</i></td> </tr> <tr> <td>Buffalograss <i>Bouteloua dactyloides</i></td> <td>St. Augustine grass <i>Stenotaphrum secundatum</i></td> <td></td> </tr> </tbody> </table>		Cool-Season Grasses			Bentgrass, creeping <i>Agrostis stolonifera</i>	Fescue, Fine <i>Festuca arundinacea</i>	Ryegrass, Perennial <i>Lolium perenne</i>	Bluegrass, Kentucky <i>Poa pratensis</i>	Fescue, tall <i>Festuca arundinacea</i>		Warm-Season Grasses			Bahia grass <i>Paspalum notatum</i>	Centipedegrass <i>Eremochioa ophiuroides</i>	Kikuyugrass <i>Pennisetum clandestinum</i>	Bermudagrass <i>Cynodon dactylon</i>	Seashore paspalum <i>Paspalum Vaginatum</i>	Zoysiagrass <i>Zoysia Japonica</i>	Buffalograss <i>Bouteloua dactyloides</i>	St. Augustine grass <i>Stenotaphrum secundatum</i>
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ESTABLISHED WOODY ORNAMENTALS IN LANDSCAPED AREAS	0.5 OZ (13.5 grams) or 1 pouch Mix in 1 gallon of water	Apply SEDGEHAMMER+ for postemergence control of purple or yellow nutsedge, <i>Kyllinga</i> ¹ and broadleaf weeds. Mix 0.5 oz (13.5 grams) of this product (1 pouch) in 1 gallon of water to treat 1000 sq ft. Spray around established woody ornamental species in landscaped areas. For transplanted woody ornamentals, allow 3 months after transplanting before applying this product. Mix or shake the solution to ensure ingredients are completely dispersed. Spray the target weeds thoroughly and wet the entire leaf surface of the undesirable plants. For best results, spray nutsedge after it has reached the 3 - 8 leaf stage of growth. ¹ For Optimum <i>Kyllinga</i> control 2 applications are recommended.																				
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FALLOW AREAS	0.5 OZ (13.5 grams) or 1 pouch Mix in 1 gallon of water	Apply SEDGEHAMMER+ for postemergence control of purple or yellow nutsedge, <i>Kyllinga</i> ¹ and broadleaf weeds mix 0.5 oz (13.5 grams) of this product (1 pouch) in 1 gallon of water to treat 1000 sq ft. Spray on fallow areas prior to the establishment of turfgrass or woody ornamental plants. Allow 4 weeks between application and seeding or sodding of turfgrass, or transplanting woody ornamentals. Mix or shake the solution to ensure ingredients are completely dispersed. Spray the target weeds thoroughly and wet the entire leaf surface of the undesirable plants. For best results, spray nutsedge after it has reached the 3 - 8 leaf stage of growth. ¹ For Optimum <i>Kyllinga</i> control 2 applications are recommended.																				
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CROP	RATE OZ/ 1000 SQ FTA	DIRECTIONS FOR USE
FENCE ROWS, FUEL STORAGE AREAS, LUMBERYARDS, TANK FARMS, RIGHT OF WAY, AND ROADSIDES	0.5 OZ (13.5 grams) or 1 pouch Mix in 1 gallon of water	Apply SEDGEHAMMER+ for postemergence control of purple or yellow nutsedge, Kyllinga ¹ and broadleaf weeds mix 0.5 oz (13.5 grams) of this product (1 pouch) in 1 gallon of water to treat 1000 sq ft. Spray at specified rates on fence rows, fuel storage areas, lumberyards, tank farms, rights of ways, roadsides and other industrial sites. Mix or shake the solution to ensure ingredients are completely dispersed. Spray the target weeds thoroughly and wet the entire leaf surface of the undesirable plants. For best results, spray nutsedge after it has reached the 3 - 8 leaf stage of growth. This product may be tank mixed with Glyphosate herbicide. ¹ For Optimum Kyllinga control 2 applications are recommended.
	1 OZ (27 grams) or 2 pouches Mix in 1 gallon of water	For postemergence control of horsetail apply 1 oz (27 grams) of this product (2 pouches) in 1 gallon of water to treat 1000 sq ft after horsetail has leafed out. Note: This rate of product will control horsetail that is less than 6 inches tall and suppress horsetail that is greater than 6 inches tall.
OTHER NON-CROP SITES (INCLUDING AIRPORTS, CAMPGROUNDS, CEMETERIES, FAIRGROUNDS, PUBLIC RECREATION AREAS, RACE TRACKS, RESIDENTIAL PROPERTY, SCHOOL GROUNDS, SPORTS FIELDS, AND TENNIS COURTS)	0.5 OZ (13.5 grams) or 1 pouch Mix in 1 gallon of water	Apply SEDGEHAMMER+ for postemergence control of purple or yellow nutsedge, Kyllinga ¹ and broadleaf weeds mix 0.5 oz (13.5 grams) of this product (1 pouch) in 1 gallon of water to treat 1000 sq ft. Spray at specified rates on non-crop sites including: airports, campgrounds, cemeteries, fairgrounds, public recreation sites, race tracks, residential property, school grounds, sports fields, and tennis courts.
	1 OZ (27 grams) or 2 pouches Mix in 1 gallon of water	For postemergence control of horsetail apply 1 oz (27 grams) of this product (2 pouches) in 1 gallon of water to treat 1000 sq ft after horsetail has leafed out. Note: This rate of product will control horsetail that is less than 6 inches tall and suppress horsetail that is greater than 6 inches tall.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE: Store under cool, dry conditions (below 120°F). Do not store under moist conditions.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling, if available, or dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances.

DISPOSAL AUTHORITIES: If none of the foregoing procedures is permitted by state and local authorities, then contact your State Pesticide or Environmental control Agency, or your local Hazardous Waste Disposal office, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

FOR 24-HOUR EMERGENCY ASSISTANCE (SPILL, LEAK OR FIRE), CALL CHEMTREC® (800) 424-9300.

For more product information, call toll-free 1-800-883-1844.

NOTICE OF CONDITIONS OF SALE AND WARRANTY AND LIABILITY LIMITATIONS

Important: Read the entire Directions for Use and Notice of Conditions of Sale and Warranty and Liability Limitations before using this product. If terms are not acceptable return the unopened container for a full refund.

Our directions for use of this product are based on tests believed to be reliable. However, it is impossible to eliminate all risk associated with the use of this product. Crop injury, inadequate performance, or other unintended consequences may result due to soil or weather conditions, off target movement, presence of other materials, method of use or application, and other factors, all of which are beyond the control of Canyon Group, LLC. All such risks shall be assumed by the Buyer and User.

Canyon Group, LLC warrants that this product conforms to the specifications on the label when used in strict conformance with Direction for Use, subject to the above stated risk limitations. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, CANYON GROUP, LLC MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, CANYON GROUP, LLC'S EXCLUSIVE LIABILITY FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, OR ANY OTHER LEGAL THEORY IS STRICTLY LIMITED TO THE PURCHASE PRICE PAID OR REPLACEMENT OF PRODUCT, AT CANYON GROUP LLC'S SOLE DISCRETION.

Chemtrek® is a registered trademark of American Chemistry Council, Inc.
SEDEHAMMER®+ is a registered trademark of Gowan Company.

EPA Text: SEDGEHAMMER+(approved 11-13-15)